

EPA Registration No.
4787-26
Vol. 3

MATERIAL TO BE ADDED TO JACKET

20/11/12

REG #

4787-26

Description:

PR Notice 2007-4 Changes

check all that apply	
<input type="checkbox"/>	new stamped accepted label
<input type="checkbox"/>	new CSF
<input checked="" type="checkbox"/>	notification

Send to CSC

Instructions:

Attach this sheet to the top of **ALL** material sent to the file room (both loose paper and new material in jackets). This sheet will be imaged; a clear description will aid in finding material in the e-jacket. Remove staples from all material. If returning loose paper then hold together with a binder or paper clip. CSFs should be placed in the CSF folder (if returning jacket) or covered with a red CBI sheet (if returning loose paper). Material to be returned to file room should be place in the appropriate bin.

Reviewer's

Name:

Steve Schauble

Date:

Phone:

703-308-9362

Division:

BD



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

FEB 21 2009

Ms. Jennifer L. DeCarlo
Registration Manager
Cheminova A/S c/o Cheminova Inc.
1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Subject: Label Notifications for Pesticide Registration Notices 2007-4

Dear Ms. DeCarlo,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated July 8, 2008 and your label resubmissions dated 1/25/09 and 2/13/09 for the following products:

Glyphosate Technical	EPA Registration Number 4787-26
Glyfos Aquatic Herbicide	EPA Registration Number 4787-34
Glyphosate Concentrate	EPA Registration Number 4787-35
Glyfos MUC 62%	EPA Registration Number 67760-50
Glyfos® PRO Herbicide	EPA Registration Number 67760-57

The Registration Division (RD) has conducted its review of these requests for their applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

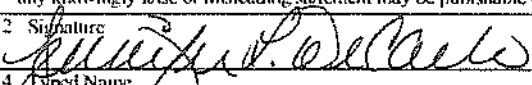
Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,



Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

EPA United States Environmental Protection Agency Washington, DC 20460		<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other - NOTIFICATION	OPP Identifier Number <div style="text-align: center; font-size: 1.2em;">XXXXXXX</div>
Application for Pesticide - Section I			
1. Company/Product Number 4787-26		2. EPA Product Manager Jim Tompkins	
4. Company/Product (Name) Glyphosate Technical		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (include ZIP Code) Cheminova A/S c/o Cheminova, Inc. 1600 Wilson Blvd., Suite 700 Arlington, VA 22209		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(B)(ii), my product is similar or identical in composition and labeling to EPA Reg. No. Product Name <div style="text-align: center; font-weight: bold; font-size: 1.2em;">NOTIFICATION FEB 21 2009</div>	
<input type="checkbox"/> Check if this is a new address			
Section - II			
<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input checked="" type="checkbox"/> Notification - Explain below. <input type="checkbox"/> Other - Explain below			
Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <i>*Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size of Retail Container 260 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)			
Name Jennifer L. DeCarlo		Title Registration Manager	
		Telephone No. (Include Area Code) 201-483-6110	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Registration Manager	
4. Typed Name Jennifer L. DeCarlo		5. Date January 15, 2009	



Cheminova, Inc.
Oak Hill Park
1700 Route 23, Suite 300
Wayne, New Jersey 07470

Phone: 973-305-6600
Fax: 973-305-1382
Customer service:
1-800-548-6113
Order Desk:
1-888-548-6112

July 8, 2008

Jim Tompkins, Product Manager, Team 25
Document Processing Desk (NOTIF)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Notifications per PR Notice 2007-4
Glyphosate Technical EPA Reg. No. 4787-26✓
Glyphosate Concentrate EPA Reg. No. 4787-35✓
Glyphos® Aquatic Herbicide EPA Reg. No. 4787-34✓
Glyphos® MUC 62% EPA Reg. No. 67760-50✓
Glyphos® PRO Herbicide EPA Reg. No. 67760-57✓

Dear Mr. Tompkins,

Cheminova, Inc. hereby submits Notifications per PR Notice 2007-4, labeling revisions required by the Final Rule "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment."

Please find enclosed the following in support of this notification:

- Application for notification for each product
- One copy of revised labeling highlighting the requested changes for each product
- One copy of revised labeling for each product

If you have any questions or require any additional information, please contact me at 973-305-6600 x225 or by e-mail at jennifer.decarlo@cheminova.com.

(919) 474-6600 x

Sincerely,

Jennifer L. DeCarlo
Regulatory Affairs Manager, North America

Glyphosate Technical

For Manufacturing Use Only

ACTIVE INGREDIENT (dry basis):

Glyphosate, (Glycine, N-(phosphonomethyl)-),

98.0%

OTHER INGREDIENTS (dry basis):

2.0%

TOTAL:

**100.0%
NOTIFICATION**

**KEEP OUT OF REACH CHILDREN
DANGER**

FEB 21 2009

FIRST AID

IF SWALLOWED: -Call a poison control center or doctor immediately for treatment advice.
-Have person sip a glass of water if able to swallow.
-Do not induce vomiting unless told to by poison control center or doctor.
-Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR
CLOTHING:**

-Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15-20 minutes.
-Call a poison control center or doctor for treatment advice.

IF IN EYES:

-Hold eye open and rinse slowly and gently with water for 15-20 minutes.
-Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
-Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE DAY OR NIGHT, 1-866-303-6950

See side panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER

Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not contaminate water when cleaning equipment or disposing of wastes.

The active ingredient in this product is a non-selective broad spectrum herbicide. Do not handle or use in a manner that can result in accidental contact with desirable vegetation.

EPA Reg. No.: 4787-26

EPA Est. No.: 4787-DN-1 or 081347-
CHN-001

Manufactured for
CHEMINOVA A/S
P.O. Box 9
DK-7620 LEMVIG, DENMARK

Net Contents: *Insert Net Contents Here*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use by commercial pesticide formulators.

For formulation into end-use herbicide products intended for the following uses:

(1) Fallow ground, pastures and sods, noncrop areas including: rights of way, industrial, recreational and public areas, forestry site preparation and release programs, site preparation or directed sprays to the floor of ornamental nurseries and Christmas tree farms, rights of way (ROW), Conservation Reserve Program (CRP), turfgrasses and grasses for seed production;

Residential sites:

Row Crops: corn, cotton, peanuts, sorghum, soybeans, sugarcane, barley, buckwheat, millet, oats, rice, rye, triticale, wheat, wild rice;

Citrus: Calamondin, chironja, citron, grapefruit, kumquat, lemon, lime, mandarin orange, orange, pummelo, tangelo, tangerine, tangors;

Tree Nuts: almond, beechnut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert (hazelnut), hickory nut, macadamia nut, pecan, pistachio, walnut;

Vine Crops: grapes and kiwi fruit;

Tree Fruits: apple, apricot, cherry, loquat, mayhaw, nectarine, olive, peach, pear, plum/prune, quince;

Vegetables: artichoke (Jerusalem), asparagus, beans, (all), beet greens, beets (red, sugar), broccoli (all), Brussels sprouts, cabbage (all), cabbage (Chinese), cantaloupe, carrot, cauliflower, casaba melon, celery, chard (Swiss), chicory, collards, crenshaw melon, cucumber, eggplant, endive, garlic, gourds, ground cherry, honeydew melon, honey ball melon, horseradish, kale, kohlrabi, leek, lentils, lettuce, mango melon, melons, muskmelon, mustard greens, okra, onion, rape greens, parsley, parsnips, peas (all), pepper (all), Persian melon, potato (Irish and sweet), pumpkin, radish, rhubarb, spinach, squash, tomatillo, tomato, turnip, watercress, watermelon, yams;

Small Fruits and Berries: blackberry, blueberry, boysenberry, cranberry, currant, dewberry, elderberry, gooseberry, huckleberry, loganberry, olallieberry, raspberry;

Forage Crops: alfalfa, forage grasses, forage legumes;

Tropical Crops: acerola, atemoya, avocado, banana (plantains), breadfruit, canistel, carambola, cherimoya, cocoa beans, coffee, dates, figs, genip, guava, jaboticaba, jackfruit, longan, lychee, mango, papaya, passion fruit, persimmons, pineapple, pomegranate, sapodilla, sapote (black, mamey, white) soursop, sugar apple, tamarind, tea;

(2) Uses for which the USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and

(3) Uses for experimental purposes that are in compliance with USEPA requirements.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store in original container only. Do not store near heat or open flame. In case of spill or leak, sweep up and dispose of waste.

Pesticide Disposal: Open dumping is prohibited. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling, if available, or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY DISCLAIMER

Cheminova warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CHEMINOVA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Unintended consequences may result because of factors such as use of the product contrary to label instructions, which are beyond the control of Cheminova or the Seller. Cheminova and the Seller shall not be responsible for any risks caused by the incorporation of this product into an end use product by the Buyer or User. Buyer is solely responsible for any risks created by the end use or uses to which Buyer or a User put this product. All of the foregoing risks shall be assumed by Buyer and User, and Buyer and User agree to hold Cheminova and Seller harmless for any claims related to such factors.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to one of the following, at Cheminova's election:

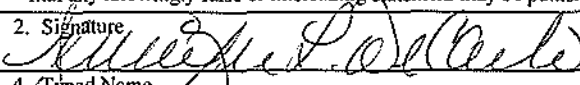
- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, Cheminova shall not be liable for consequential, incidental, or special damages or losses in any matter.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the Seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

NOTIFICATION

FEB 21 2009

EPA United States Environmental Protection Agency Washington, DC 20460		<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other - NOTIFICATION	OPP Identifier Number XXXXXXX
Application for Pesticide - Section I			
1. Company/Product Number 4787-26		2. EPA Product Manager Jim Tompkins	
4. Company/Product (Name) Glyphosate Technical		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) Cheminova A/S c/o Cheminova, Inc. 1700 Route 23, Suite 300 Wayne, NJ 07470		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ <div style="text-align: right; font-weight: bold;">NOTIFICATION</div> <div style="text-align: right; font-weight: bold;">FEB 21 2009</div>	
<input type="checkbox"/> Check if this is a new address			
Section - II			
<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below. <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - Explain below			
Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>*Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)			
Name Jennifer L. DeCarlo		Title Regulatory Affairs Manager	
		Telephone No. (Include Area Code) 973-305-6600; X 225	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received
2. Signature 			(Stamped) _____ _____ _____
3. Title Regulatory Affairs Manager			
4. Typed Name Jennifer L. DeCarlo			5. Date July 8, 2008

Material to be added to an e-Jacket/Jacket

Reg. No. 4787-26

Description: Revised Basic CSF

1. ☐ Placement within the e-Jacket/jacket:

☒ Default: (chronological, top = newest)

☐ File Location: (PDF page number, i.e., "before page 45")

2. ☐ Send to Data Extraction contractors this material:

☐ Newly stamped accepted label

☐ Notification

☒ New CSF

☐ Other: _____

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: Verkie K Walters

Phone: 703-305-5704 Division: RD/HB/PM-25

Date: 10/23/08



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OCT 23 2008

Ms. Jennifer De Carlo
Cheminova A/S
c/o Cheminova Inc.
1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Dear Ms. De Carlo:

Subject: Glyphosate Technical (Revised Basic CSF)
EPA Registration No. 4787-26
Application Dated June 12, 2008 and CSF Dated October 15, 2008

The scientific review and evaluation of the revised basic confidential statement of formula (CSF) submitted above have been completed. The basic CSF dated October 15, 2008 is acceptable and supersedes all previously approved ones. Our records have been modified accordingly.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Note For Records

Name of Product: *Glyphosate Technical*

EPA Registration No./ File Symbol *4787-26*

Submission Date: *6/12/08*

Received Date: *6/13/08*

Date Worked: *6/26/08*
8/22/08, 10/2/08
10/15/08
10/16/08

Description of Action: *Revised basic CSF with Product Chemistry data submitted*
No label changes

Routed to TRB

Comments:

TRB/ Chem review dated 9/4/08 states CSF dated 6/3/08 is acceptable provided revised CSF is submitted with minor change and that revised CSF will replace current basic CSF, and that no additional data are required

TRB/T of review dated 9/17/08 states that proposed CSF is similar to current ~~basic~~ basic CSF.

*Call Company 9/22/08 to request revised CSF;
Emailed Jennifer DeCarlo 10/9/08 and follow up call & emails 9/15/08
Revised CSF received by EPA 9/15/08 - acceptable*

Signature and Date: *Accept CSF*

Utter K Waller 10/16/08

FAX

To: Vickie Walters

Date: October 15, 2008

Fax: 703-308-0029

From: Jennifer L. DeCarlo

Pages: 4

RE: 4787-26



Vickie
Walters/DC/USEPA/US
10/15/2008 02:40 PM

To "Jennifer DeCarlo" <jennifer.decarlo@cheminova.com>
cc
bcc
Subject RE: 4787-26

Jennifer:

Fax to 703-308-0029

That one is suppose to be working

Vickie

"Jennifer DeCarlo" <jennifer.decarlo@cheminova.com>



"Jennifer DeCarlo"
<jennifer.decarlo@cheminova.com>
10/15/2008 12:07 PM

To Vickie Walters/DC/USEPA/US@EPA
cc
Subject RE: 4787-26

Hi Vickie,

As I suspected, I am not able to send you the revised CSF via e-mail due to some computer problems I've been experiencing. If ok with you, I will send you the CSF via fax instead. If you would please let me know what fax # to use, I will send the CSF as soon as possible.

Regards,
Jennifer

-----Original Message-----

From: Walters.Vickie@epamail.epa.gov
[mailto:Walters.Vickie@epamail.epa.gov]
Sent: Thursday, October 09, 2008 2:50 PM
To: Jennifer DeCarlo
Subject: 4787-26

Jennifer:

I called Carrie a couple weeks ago about needing a revised basic CSF for 4787-26. She said that this was yours. On 6/12/08 an application was submitted for a revised basic CSF. The reviews are completed but I need a revised CSF. According to the chemist the nominal concentration should be 98.3 and of course the other components have b adjusted to add to 100%. I need this asap as my due date is 11/1/08.

I am out of the office until 10/15.

Please email replacement CSF to me.

Vickie Walters PM-25



"Jennifer DeCarlo"
<jennifer.decarlo@cheminova
.com>

10/15/2008 12:07 PM

To: Vickie Walters/DC/USEPA/US@EPA

cc

bcc

Subject: RE: 4787-26

History:

 This message has been replied to.

Hi Vickie,

As I suspected, I am not able to send you the revised CSF via e-mail due to some computer problems I've been experiencing. If ok with you, I will send you the CSF via fax instead. If you would please let me know what fax # to use, I will send the CSF as soon as possible.

Regards,
Jennifer

-----Original Message-----

From: Walters.Vickie@epamail.epa.gov
[mailto:Walters.Vickie@epamail.epa.gov]
Sent: Thursday, October 09, 2008 2:50 PM
To: Jennifer DeCarlo
Subject: 4787-26

Jennifer:

I called Carrie a couple weeks ago about needing a revised basic CSF for 4787-26. She said that this was yours. On 6/12/08 an application was submitted for a revised basic CSF. The reviews are completed but I need a revised CSF. According to the chemist the nominal concentration should be 98.3 and of course the other components have b adjusted to add to 100%. I need this asap as my due date is 11/1/08.

I am out of the office until 10/15.

Please email replacement CSF to me.

Vickie Walters PM-25



Vickie
Walters/DC/USEPA/US
10/09/2008 02:42 PM

To jennifer.decarlo@cheminova.com,
cc
bcc
Subject 4787-26

Jennifer:

I called Carrie a couple weeks ago about needing a revised basic CSF for 4787-26. She said that this was yours. On 6/12/08 an application was submitted for a revised basic CSF. The reviews are completed but I need a revised CSF. According to the chemist the nominal concentration should be 98.3 and of course the other components have to be adjusted to add to 100%. I need this asap as my due date is 11/1/08.

I am out of the office until 10/15.

Please email replacement CSF to me.

Vickie Walters PM-25

Called Jennifer 10/15/08 for replacement CSF



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

17/SEPT/2008

MEMORANDUM

Subject: Name of Pesticide Product: Glyphosate Technical
EPA Reg. No. /File Symbol: 4787-26
DP Barcode: D354094
Decision No: 394829
Action Code: R340
PC Code: 417300 (glyphosate)

From: Eugenia McAndrew, Biologist
Technical Review Branch
Registration Division (7505P) *E. McAndrew*

To: Vickie Walters, RM Team 25
Herbicide Branch
Registration Division (7505P)

Applicant: Cheminova A/S
c/o Cheminova Inc.
1600 Wilson Boulevard, Suite 700
Arlington, VA 22209

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Glyphosate	98.3

<u>Inert Ingredient(s):</u>	<u>1.7</u>
Total:	100.0%

ACTION REQUESTED: The Risk Manager requests: "Please review enclosed information to determine if proposed basic CSF is similar enough to current CSF for registration to be supported."

BACKGROUND: Cheminova A/S has submitted an application for an amendment for a new basic CSF dated June 3, 2008 for the registered product, Glyphosate Technical, EPA Reg. No. 4787-26. The Registrant is adding an additional source of active ingredient [REDACTED]. The proposed CSF will replace the current CSF.

RECOMMENDATIONS: TRB has compared the proposed basic CSF with the current basic CSF and has determined that they are substantially similar. The amount of active ingredient is the same in both formulations and there are only minor differences in the impurity profile.

The proposed basic CSF has been accepted by the TRB Product Chemistry Team (Kutney; D354094; 03/SEPT/2008).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OPPTS/OPP/RD/TRB/PRODUCT CHEMISTRY TEAM

WASHINGTON, D.C. 20460

DATE OUT: September 3, 2008

SUBJECT: Product Chemistry Review of Cheminova Glyphosate Technical
Barcode #: 354093 Decision #: 394829 PC Code(s): 417300
Reg No: 4787-26 Registrant: Cheminova A/S

FROM: Linda L. Kutney, Chemist
Product Chemistry Team
Technical Review Branch/RD (7505P)

Linda L. Kutney
9-3-08 *SJBm 9/4/08*

TO: James Tompkins, Vickie Walters, RM-25
Herbicide Branch/ RD (7505P)

INTRODUCTION AND SUMMARY OF FINDINGS:

The Registrant, Cheminova A/S, has submitted product chemistry data to support registration of their registered tgai, Cheminova Glyphosate Technical, [REDACTED]. Supportive data were provided under MRID #474468-01 (Vol. 2-15). [REDACTED]

[REDACTED] The previous basic CSF was dated 11-07-07.

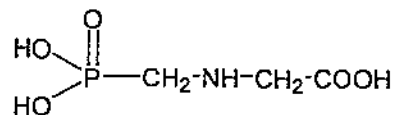
TRB FINDINGS AND CONCLUSIONS:

- 1a. The basic CSF for Cheminova Glyphosate Technical, dated 6-3-08, is acceptable, providing the Registrant updates the Nominal Concentration (NC) of Glyphosate to 98.3%, so it is consistent with PRN 91-2 and the analysis results (See Confidential Appendix).
- 1b. No new impurities of toxicological concern were identified, and those present were reported to be at levels equal to or below those previously reported in the old basic CSF, dated 11-08-07.
- 1c. The new CSF, with the NC of 98.3% Glyphosate, dated 6-3-08, must replace the previously-accepted basic CSF.
2. Description of the materials used in production (Guideline 830.1600, 40CFR 158.160) and the production process (Guideline 830.1620, 40CFR 158.162) are acceptable (See Confidential Appendix).
3. The Enforcement Analytical Method (Guideline 830.1800, 40CFR 158.180) indicates that the method is reproducible and adequate and validated. No additional data are required. (See Appendix).
4. The preliminary batch analysis (Guideline 830.1700, 40CFR 158.170) is acceptable (See Confidential Appendix) and supports the certified limits on the proposed CSF. Adequate quality assurance laboratory procedures were observed.
5. Subgroup A product chemistry guideline requirements are fulfilled.
6. Subgroup B product chemistry guideline requirements are not required.
7. Samples or the technical and a copy of the analytical enforcement method must be provided upon registration to the EPA Analytical Lab, 701 Mapes Rd, Ft. Meade, MD, 20755-5350, to the attention of Mr Chuck Stafford, 410-305-2914.

Cheminova Glyphosate Technical Barcode #: 354093
830.1550 Product Identity

COMMON NAME: Glyphosate (ISO)

STRUCTURAL FORMULA:



EMPIRICAL FORMULA: C₃H₈NO₅P

M.W.: 169.1

CAS No.: 1071-83-6

CHEMICAL NAME (IUPAC): *N*-(phosphonomethyl) glycine

Table 1: Manufacturing and Impurity Data				
GLN 830.:	Requirement	MRID	Status ¹	Details and/or Deficiency ²
1550	Product identity & composition	CSF 474468-01	Y	The CSF is complete and agrees with the preliminary analyses
1600	Description of materials used to produce product	474468-01	Y	Details concerning the starting materials and production process were provided.
1650	Description of production process	474468-01	Y	Detailed information about the synthesis of the technical was provided, including the amounts of each starting material and the conditions of the reaction.
1670	Discussion of formation of impurities	474468-01	Y	The required information on the formation and structure of impurities was provided.
1700	Preliminary analysis	474468-01	Y	A detailed preliminary analysis was provided.
1750	Certified limits	474468-01	Y	The certified limits were submitted and agree with the preliminary analyses and the proposed CSF.
1800	Enforcement analytical method	474468-01	Y	See description in Appendix. HPLC/UV analysis using ion exchange column separation was acceptable. Adequate validation was submitted for a lower, 68% pure Glyphosate tga1 p552 of 1346. Adequate methodology was presented and validated for impurities, including toxic impurities (See Confidential Appendix)
1900	Submission of Samples	-	-	Samples and a copy of the enforcement method must be provided to the EPA laboratory, prior to Registration.
* Y = Acceptable; N = Unacceptable (see Deficiency); NA = Not Applicable				

Pages 24-57 - *Access to FIFRA health and safety data is restricted under FIFRA section 10(g)*

Manufacturing process information may be entitled to confidential treatment

TRANSMITTAL DOCUMENT

1. Name and Address of Submitter:

Cheminova Inc.
Oak Hill Park
1700 Route 23
Suite 300
Wayne, NJ 07470

2. Regulatory Action in Support of Which This Package is Being Submitted:

Basic Confidential Statement of Formula (EPA Reg. No. 4787-26)

3. Transmittal Date:

June 12, 2008

4. List of Submitted Studies:

Part I of II

Volume 1: Administrative Materials

- Transmittal Document
- EPA Application Form 8570-1
- Certification with Respect to Citation of Data
- Confidential Statement of Formula
 - Basic Formula Glyphosate Technical
- Data Matrix (Technical Product) – EPA Copy
- Data Matrix (Technical Product) – Public Copy
- Letter of Authorization from Monsanto

Part II of II

47446801

Volumes 2-15: Product Chemistry Data

- *Cheminova AVS (2008), Product Chemistry – Glyphosate Technical, Group A – Product Identity, Composition, and Analysis; 11 pages with a 1,346 page confidential attachment*

Company Official:

Diane Allemang

Signature:



Company Name:

Cheminova Inc.

Company Contact:

Diane Allemang

Phone:

(703) 373-8883 x2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 18, 2008

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

CHEMINOVA INC.
CHEMINOVA A/S
1600 WILSON BLVD., SUITE 700
ARLINGTON, VA 22209-2510

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 13-JUN-08. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 16, 2008

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-394829
EPA File Symbol or Registration Number: 4787-26
Product Name: GLYPHOSPHATE TECHNICAL
EPA Receipt Date: 13-Jun-2008
EPA Company Number: 4787
Company Name: CHEMINOVA A/S

DIANE ALLEMANG
CHEMINOVA INC.
CHEMINOVA A/S
1600 WILSON BLVD., SUITE 700
ARLINGTON, VA 22209-2510

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R340

NON-FAST-TRACK (INCLUDES CHANGES TO PRECAUTIONARY LABEL
STATEMENTS;SOURCE CHANGES TO AN UNREGISTERED SOURCE);

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee
Ombudsman at (703) 305-6249.

Sincerely,

A handwritten signature in cursive script that reads "Teresa Downs".

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

W
{831014i~

This package includes the following

☐ New Registration

☒ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

25

Receipt No.

S-

831014

EPA File Symbol/Reg. No.

4787-26

Pin-Punch Date:

6/13/2008

☐ This item is NOT subject to FFS action.

Action Code:

Requested: R340

Granted: R340

Amount Due: \$ 3,280

Parent/Child Decisions:

no inerts (R) 6/11/08
☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: *RK*

Date: *6-16-08*

Remarks:

Online Payment

Online Payment

Step 3: Confirm Payment

1 | 2 | 3

Thank you.

Your transaction has been successfully completed.

Pay.gov Tracking Information

Application Name: PRIA Service Fees

Pay.gov Tracking ID: 24UP7S5Q

Agency Tracking ID: 74047549627

Transaction Date and Time: 06/12/2008 13:39 EDT

Payment Summary

Account Holder Name: Cheminova

Payment Amount: \$3,280.00

Account Type: Business Checking

Routing Number: 026010786

Account Number: *****3001

Payment Date: 06/13/2008

Decision Number:

Registration Number: 4787-26

TRANSMITTAL DOCUMENT

1. Name and Address of Submitter:

Cheminova Inc.
Oak Hill Park
1700 Route 23
Suite 300
Wayne, NJ 07470

2. Regulatory Action in Support of Which This Package is Being Submitted:

Basic Confidential Statement of Formula (EPA Reg. No. 4787-26)

3. Transmittal Date:

June 12, 2008

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Volume 1: Administrative Materials

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Part II of II

Volumes 2-15: Product Chemistry Data

- *Cheminova A/S (2008), Product Chemistry – Glyphosate Technical, Group A – Product Identity, Composition, and Analysis; 11 pages with a 1,346 page confidential attachment*

Company Official:

Diane Allemang

Signature:

 JD

Company Name:

Cheminova Inc.

Company Contact:

Diane Allemang

Phone:

(703) 373-8883 x2

EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
--	--	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 4787-26	2. EPA Product Manager James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Glyphosate Technical	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Cheminova A/S c/o Cheminova, Inc. 1600 Wilson Blvd., Suite 700 Arlington, VA 22209 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Mc Too" Application <input type="checkbox"/> Other - Explain below
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Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

***Application for amended CSF.**

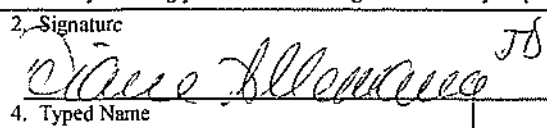
***Category R340: \$3280 Non-fast-track. Source change to an unregistered source.**

***Contact: Diane Allemang: da.us@cheminova.com or fax: 703-373-8887**

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No *Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 5 lbs. - bulk		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Diane Allemang	Title Vice President Regulatory Affairs, Cheminova Inc.; EPA Agent for Cheminova A/S	Telephone No. (Include Area Code) 703-373-8883 x2
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Vice President Regulatory Affairs, Cheminova Inc.; EPA Agent for Cheminova A/S	
4. Typed Name Diane Allemang	5. Date June 12, 2008	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

 401 M Street, SW
 Washington, DC 20460

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Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address and Telephone Number

 Cheminova A/S, c/o Cheminova Inc. 1600 Wilson Blvd., Suite 700
 Arlington, VA 22209

EPA Registration Number/File Symbol

4787-26

Active ingredient(s) and/or representative test compound(s)

Glyphosate

Date

June 12, 2008

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 15B)

 Terrestrial food crop, greenhouse food crop, greenhouse non-food
 crop, aquatic food crop, terrestrial nonfood crop, aquatic non food
 use, forestry, domestic outdoor

Product Name

Glyphosate Technica)

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulators Exemption Statement (EPA Form 8570-27).



I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT [Check one method only]



I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).



I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]



I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

Typed or Printed Name and Title

June 12, 2008

 Diane Allemang, Vice President Regulatory Affairs,
 Cheminova Inc.; EPA Agent for Cheminova A/S



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: June 12, 2008	EPA Reg. No./File Symbol: 4787-26	Page 1 of 35
Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical	
Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

PRODUCT IDENTITY, COMPOSITION AND ANALYSIS:

830.1550 / 61-1	Product Identity and Composition	Cheminova EPA Co. # 4787	OWN
830.1600 / 61-2A	Starting Materials & Manuf. Process	Cheminova EPA Co. # 4787	OWN
830.1670 / 61-2B	Formation of Impurities	Cheminova EPA Co. # 4787	OWN
830.1700 / 62-1	Preliminary Analysis	Cheminova EPA Co. # 4787	OWN
830.1750 / 62-2	Certification of Limits	Cheminova EPA Co. # 4787	OWN
830.1800 / 62-3	Analytical Method	Cheminova EPA Co. # 4787	OWN

PHYSICAL AND CHEMICAL CHARACTERISTICS:

63-2	Color (MP & TGAI)	161333	6/30/1986	Monsanto	PER
63-3	Physical State (MP & TGAI)	161333	6/30/1986	Monsanto	PER
63-4	Odor (MP & TGAI)	161333	6/30/1986	Monsanto	PER
63-5	Melting Point (TGAI)	51977	6/1/1976	Monsanto	PER
63-6	Boiling Point (TGAI)	NR			
63-7	Density, Bulk Density or Specific Gravity (MP & TGAI)	161333	6/30/1986	Monsanto	PER
63-8	Solubility (TGAI or PAI)	161333	6/30/1986	Monsanto	PER
63-9	Vapor Pressure (TGAI or PAI)	41096101	5/10/1989	Monsanto	PER
63-10	Dissociation Constant (TGAI or PAI)	161333	6/30/1986	Monsanto	PER
63-11	Octanol/Water Partition Coefficient (PAI)	108192	6/5/1978	Monsanto	PER
63-12	pH (MP & TGAI)	152385	7/30/1984	Monsanto	PER
63-13	Stability (TGAI)	152385	7/30/1984	Monsanto	PER
63-14	Oxidizing or Reducing Action (MP)	161333	6/30/1986	Monsanto	PER
63-15	Flammability (MP)	161333	6/30/1986	Monsanto	PER
63-16	Explosibility (MP)	161333	6/30/1986	Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: June 12, 2008	EPA Reg. No./File Symbol: 4787-26	Page 2 of 35		
Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

63-17	Storage Stability (MP)	152385	7/30/1984	Monsanto	PER
63-18	Viscosity (MP)	NR			
63-19	Miscibility (MP)	NR			
63-20	Corrosion Characteristics (MP)	161333	6/30/1986	Monsanto	PER
63-21	Dielectric Breakdown Voltage	NR			

ACUTE TESTING:

81-1	Oral LD50 - Rat (MP & TGAI)	41400601	2/6/1990	Monsanto	PER
81-2	Dermal LD50 (MP & TGAI)	41400602	2/6/1990	Monsanto	PER
81-3	Inhalation LC50 - Rat (MP & TGAI)	NR			
81-4	Primary Eye Irritation - Rabbit (MP)	41400603	2/6/1990	Monsanto	PER
81-5	Primary Dermal Irritation (MP)	41400604	2/6/1990	Monsanto	PER
81-6	Dermal Sensitization (MP)	137138	12/20/1983	Monsanto	PER
81-7	Acute Delayed Neurotoxicity - Hen (TGAI)	NR			

SUBCHRONIC TESTING:

82-1	90-Day Feeding - Rodent (TGAI)	40559401	3/16/1988	Monsanto	PER
	90-Day Feeding - Nonrodent (TGAI)	40557	1/15/1973	Monsanto	PER
82-2	21-Day Dermal (TGAI)	98460	3/22/1982	Monsanto	PER
82-3	90-Day Dermal (TGAI)	NR			
82-4	90-Day Inhalation - Rat (TGAI)	NR			
82-5	90-Day Neurotoxicity - Hen (TGAI)	NR			
	90-Day Neurotoxicity - Mammal (TGAI)	NR			

CHRONIC TESTING:

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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401 M Street, S.W.
WASHINGTON, D.C. 20460

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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

83-1	Chronic Feeding - Rodent (TGAI)	41643801	9/26/1990	Monsanto	PER
		41728701	12/17/1990	Monsanto	PER
		153374	10/17/1985	Monsanto	PER
		162912	8/11/1986	Monsanto	PER
83-2	Oncogenicity Study - Rat (TGAI)	41643801	9/26/1990	Monsanto	PER
		41728701	12/17/1990	Monsanto	PER
		130406	7/29/1983	Monsanto	PER
		150564	10/7/1985	Monsanto	PER
83-3	Teratology - Rat (TGAI)	153376	10/28/1985	Monsanto	PER
		46362	5/13/1980	Monsanto	PER
		46363	5/13/1980	Monsanto	PER
83-4	Reproduction, 2-Generation (TGAI)	41621501	8/30/1990	Monsanto	PER

MUTAGENICITY TESTING:

84-2	Gene Mutation (TGAI)	78619	4/20/1979	Monsanto	PER
		132681	11/4/1983	Monsanto	PER
		137640	2/9/1984	Monsanto	PER
		78620	4/20/1979	Monsanto	PER
		46364	5/13/1980	Monsanto	PER
		132682	11/4/1983	Monsanto	PER
		132683	11/4/1983	Monsanto	PER
		132684	11/4/1983	Monsanto	PER
		132685	11/4/1983	Monsanto	PER
	Chromosomal Aberration (TGAI)				

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
---------------------------------------	---	-----------------------



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WASHINGTON, D.C. 20460

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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

84-4	Other Mechanisms of Mutagenicity (TGAI)	132686	11/4/1983	Monsanto	PER
		132680	11/4/1983	Monsanto	PER
		45726801	7/26/2002	Monsanto	PER
		45726802	7/26/2002	Monsanto	PER

SPECIAL TESTING:

85-1	General Metabolism (PAIRA)	40767101	8/11/1988	Monsanto	PER
		40767102	8/11/1988	Monsanto	PER
85-2	Dermal Penetration	137139	12/20/1983	Monsanto	PER
		137140	12/20/1983	Monsanto	PER
86-1	Domestic Animal Safety	NR			

AVIAN AND MAMMALIAN TESTING:

71-1	Avian Oral LD50 (TGAI)	108204	3/1/1978	Monsanto	PER
71-2	Avian Dietary LC50 (TGAI)	108107	7/12/1974	Monsanto	PER
	Avian Dietary LC50 (EP)	44465701	1/19/1998	Monsanto	PER
		44465702	1/19/1998	Monsanto	PER
		45777402	10/3/2002	Monsanto	PER
71-3	Wild Mammal Toxicity (TGAI)	NR			
71-4	Avian Reproduction (TGAI)	108207	11/13/1978	Monsanto	PER
		111953	11/13/1978	Monsanto	PER
71-5	Simulated / Actual Field Testing -	NR			

AQUATIC ORGANISM TESTING:

72-1	Freshwater Fish LC50 (TGAI)	108112	7/12/1974	Monsanto	PER
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Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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DATA MATRIX

Date: June 12, 2008	EPA Reg. No./File Symbol: 4787-26	Page 5 of 35
Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical	
Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status	
		136339	11/28/1978	Monsanto	PER
	Freshwater Fish LC50 (MUP)	44715409	12/10/1998	Monsanto	PER
72-1	Freshwater Fish LC50 (TEP)	108112	7/12/1974	Monsanto	PER
		70894	3/30/1981	Monsanto	PER
		70895	3/30/1981	Monsanto	PER
		70896	3/30/1981	Monsanto	PER
		70897	3/30/1981	Monsanto	PER
		40579201	3/25/1988	Monsanto	PER
		40579202	3/25/1988	Monsanto	PER
		40579203	3/25/1988	Monsanto	PER
		45365002	3/20/2001	Monsanto	PER
		45365003	3/20/2001	Monsanto	PER
		45780201	10/10/2002	Monsanto	PER
		45767101	9/24/2002	Monsanto	PER
72-2	Acute LC50 Freshwater Invertebrates (TGA)	136338	11/28/1978	Monsanto	PER
72-2	Acute LC50 Freshwater Invertebrates (TEP)	108109	7/12/1974	Monsanto	PER
		70893	3/30/1981	Monsanto	PER
		44715410	12/10/1998	Monsanto	PER
		45365004	3/20/2001	Monsanto	PER
		45777401	10/3/2002	Monsanto	PER
72-3	Acute LC50 Estuarine and Marine Organisms (TGA)	108110	7/12/1974	Monsanto	PER
		108111	7/12/1974	Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

		136339	11/28/1978	Monsanto	PER
73-4	Fish Early Life Stage and	124761	12/20/1982	Monsanto	PER
	Aquatic Invertebrate Life-Cycle (TGAI)	124762	12/20/1982	Monsanto	PER
		124763	12/20/1982	Monsanto	PER
72-5	Fish - Life-Cycle (TGAI)	108172	12/22/1978	Monsanto	PER
72-6	Aquatic Organism Accumulation (TGAI)	111942	7/12/1974	Monsanto	PER
		94971	2/26/1982	Monsanto	PER
		108173	12/22/1978	Monsanto	PER
		41228301	9/5/1989	Monsanto	PER
		41228302	9/5/1989	Monsanto	PER
72-7	Simulated or Actual Field Testing (TEP)	NR			
	Earthworm	45767109	9/24/2002	Monsanto	PER
		45732903	7/25/2002	Monsanto	PER
	Soil Microbes	45780203	10/10/2002	Monsanto	PER
		45767103	9/24/2002	Monsanto	PER

TARGET AREA PHYTOTOXICITY

121-1 Target Area Phytotoxicity (TEP)

NONTARGET AREA PHYTOTOXICITY

TIER I:

122-1	Seed Germination/Seedling Emergence (TGAI)	40159301	4/10/1987	Monsanto	PER
122-1	Vegetative Vigor (TGAI) (t)				

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

122-2 Aquatic Plant Growth (TGA1) (2)

TIER II:

123-1 Seed Germination/Seedling Emergence (TGA1)

NR

123-1 Vegetative Vigor (TGA1)

43088701

1/17/1994

Monsanto

PER

123-2 Aquatic Plant Growth (TGA1)

40236901

6/12/1987

Monsanto

PER

40236902

6/12/1987

Monsanto

PER

40236903

6/12/1987

Monsanto

PER

40236904

6/12/1987

Monsanto

PER

40236905

6/12/1987

Monsanto

PER

Aquatic Plant Growth (TEP)

45777403

10/3/2002

Monsanto

PER

45767101

9/24/2002

Monsanto

PER

45780201

10/10/2002

Monsanto

PER

TIER III:

124-1 Terrestrial Field (TEP)

NR

124-2 Aquatic Field (TEP)

NR

(1) Tier I Vegetative Vigor studies were combined with Tier II Vegetative Vigor studies.

(2) Tier I Aquatic Plant Growth studies were combined with Tier II Aquatic Plant Growth studies.

POLLINATORS:

141-1 Honeybee Acute Contact Toxicity (TGA1)

108108

7/12/1974

Monsanto

PER

Honeybee Acute Contact Toxicity (EP)

44465703

1/19/1998

Monsanto

PER

45370301

4/4/2001

Monsanto

PER

Signature

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Date

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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number

Submitter

Status

45767104

9/24/2002

Monsanto

PER

45780204

10/10/2002

Monsanto

PER

141-2 Honeybee - Toxicity of Residues
on Foliage (TEP)

NR

45370302

4/4/2001

Monsanto

PER

141-4 Honeybee Subacute Feeding Study (TEP) (1)

141-5 Field Testing for Pollinators (TEP)

NR

AQUATIC INSECTS:

142-1 Acute Toxicity to Aquatic Insects(2)

142-2 Aquatic Insect Life-Cycle Study(2)

142-3 Simulated or Actual Field Testing(2)
for Aquatic Insects

PREDATORS AND PARASITES:

143-1 thru 143-3(2)

Lacewing

45767110

9/24/2002

Monsanto

PER

45780205

10/10/2002

Monsanto

PER

Predatory Mite

45767105

9/24/2002

Monsanto

PER

45767106

9/24/2002

Monsanto

PER

45780206

10/10/2002

Monsanto

PER

45732901

7/25/2002

Monsanto

PER

Parasitoid

45767107

9/24/2002

Monsanto

PER

45767108

9/24/2002

Monsanto

PER

45732902

7/25/2002

Monsanto

PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

45732904 7/25/2002 Monsanto PER

- (1) Reserved pending development of test methodology.
(2) Reserved pending further evaluation to determine what and when data should be required, and to develop appropriate test methods.

132-1	Foliar Dissipation (TEP)	NR			
132-1	Soil Dissipation (TEP)	NR			
133-3	Dermal Exposure (TEP)	41554901	6/29/1990	Monsanto	PER
		41554902	6/29/1990	Monsanto	PER
133-4	Inhalation Exposure (TEP)	NR			

DEGRADATION STUDIES - LAB

161-1	Hydrolysis (TGAI or PAIRA)	108192	6/5/1978	Monsanto	PER
	Hydrolysis (MUP)	44715408	12/10/1998	Monsanto	PER

PHOTODEGRADATION

161-2	In Water (TGAI or PAIRA)	41689101	11/1/1990	Monsanto	PER
161-3	On Soil (TGAI or PAIRA)	41355101	12/18/1989	Monsanto	PER
161-4	In Air (TGAI or PAIRA)	NR			

METABOLISM STUDIES - LAB

162-1	Aerobic Soil (TGAI or PAIRA)	41742901	1/3/1991	Monsanto	PER
		43272501	6/24/1992	Monsanto	PER
162-2	Anaerobic Soil (TGAI or PAIRA)	NR			
162-3	Anaerobic Aqueal (TGAI or PAIRA)	41723701	12/7/1990	Monsanto	PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

162-4	Aerobic Aqualic (TGAI or PAIRA)	42372502	6/24/1992	Monsanto	PER
		41723601	12/7/1990	Monsanto	PER
		42372503	6/24/1992	Monsanto	PER

MOBILITY STUDIES:

163-1	Leaching and Adsorption/Desorption (TGAI or PAIRA)	39938	7/12/1974	Monsanto	PER
		108192	6/5/1978	Monsanto	PER
		64703	12/16/1980	Monsanto	PER
163-2	Volatility - Lab (TEP)	NR			
163-3	Volatility - Field (TEP)	NR			

DISSIPATION STUDIES - FIELD:

164-1	Soil (TEP)	39939	7/12/1974	Monsanto	PER
		39940	7/12/1974	Monsanto	PER
		162910	8/6/1986	Monsanto	PER
		162922	8/7/1986	Monsanto	PER
		41096103	5/10/1989	Monsanto	PER
		42765001	5/3/1993	Monsanto	PER
		42765002	5/3/1993	Monsanto	PER
164-2	Aquatic Sediment (TEP)	39942	7/12/1974	Monsanto	PER
		40881601	11/9/1988	Monsanto	PER
		42383201	6/29/1992	Monsanto	PER
164-3	Forestry (TEP)	84657	9/29/1981	Monsanto	PER
		93922	2/1/1982	Monsanto	PER

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

	162923	6/17/1983	Monsanto	PER
	134008	11/18/1983	Monsanto	PER
	162923	8/7/1986	Monsanto	PER
	41552801	6/2/1990	Monsanto	PER
164-4	Combination and Tank Mixes	NR		
164-5	Soil, Long-Term (TEP)	NR		

ACCUMULATION STUDIES:

165-1	Rotational Crops - Confined (PAIRA)	41543201	6/29/1990	Monsanto	PER
		41543202	6/29/1990	Monsanto	PER
		42372504	6/24/1992	Monsanto	PER
165-2	Rotational Crops - Field (TEP)	108159	10/14/1977	Monsanto	PER
165-3	Irrigated Crops (TEP)	40541305	2/23/1988	Monsanto	PER
165-4	In Fish (TGAI or PAIRA)	108173	12/22/1978	Monsanto	PER

RESIDUE CHEMISTRY 40 CFR 158.240 (860 Series)

171-2	Chemical Identity (TGAI)	41228201	8/30/1989	Monsanto	PER
171-3	Directions for Use (1)				

NATURE OF THE RESIDUE

171-4(a)	Plants (PAIRA)	Appendix A			
171-4(b)	Livestock (PAIRA and Plant Metabolites)	40541301	2/23/1988	Monsanto	PER
		40541302	2/23/1988	Monsanto	PER

RESIDUE METHODOLOGY:

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

171-4(c)	Residue Analytical Method - Plants (TGA and Metabolites)	108231	7/24/1979	Monsanto	PER
		164729	10/20/1986	Monsanto	PER
		40502601	1/29/1988	Monsanto	PER
					PER
171-4(d)	Residue Analytical Method - Animals (TGA and Metabolites)	40541303	2/23/1988	Monsanto	
171-4	Residue Analytical Method - Water (TGA and Metabolites)	159419	5/19/1986	Monsanto	PER
		40502605	1/29/1988	Monsanto	PER
171-4(e)	Storage Stability (PAI)(In Plants, Animal Products, and Water)	40502605	1/29/1988	Monsanto	PER
		40532004	2/23/1988	Monsanto	PER
		41472002	4/2/1990	Monsanto	PER
		41573501	7/25/1990	Monsanto	PER
		41940701	7/12/1991	Monsanto	PER

MAGNITUDE OF THE RESIDUE

171-4(k)	Crop Field Trials (TEP)	Appendix B
171-4(l)	Processed Food/Feed (EP)	Appendix B

171-4(j)	Meat/Milk/Poultry/Eggs (TGA or Plant Metabolites)	108115	7/12/1974	Monsanto	PER
		40532001	2/23/1988	Monsanto	PER
		40532002	2/23/1988	Monsanto	PER

Signature 	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

	40532003	2/23/1988	Monsanto	PER
	40532004	2/23/1988	Monsanto	PER
171-4(f) Potable Water (EP)	Appendix C			
171-4(g) Fish (EP)	Appendix D			
171-4(h) Irrigated Crops (EP)	Appendix B			
171-4(l) Food Handling (EP)	NR			
171-5 Reduction of Residue	NR			
171-6 Proposed Tolerances(2)				
171-7 Reasonable Grounds in Support of the Petition(3)				
(1) Directions for Use are contained in Product Labels or Section B of Petitions				
(2) Proposed Tolerances are contained in Section F of Petitions				
(3) Reasonable Grounds in Support of the Petition are contained in Section G of Petitions				

RESIDUE CHEMISTRY APPENDIX A
NATURE OF THE RESIDUE: PLANTS

171-4(a)				
Com	137903	7/12/1974	Monsanto	PER
	47778	7/12/1974	Monsanto	PER
Roundup Ready® Com	43712701	6/29/1995	Monsanto	PER
Wheat	137903	7/12/1974	Monsanto	PER
	47778	7/12/1974	Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product **Glyphosate Technical**

Ingredient: **Glyphosate**

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status	
	Soybeans	137903	7/12/1974	Monsanto	PER
		47778	7/12/1974	Monsanto	PER
	Roundup Ready® Soybeans	43330601	7/22/1994	Monsanto	PER
	Cotton	137903	7/12/1974	Monsanto	PER
		47778	7/12/1974	Monsanto	PER
	Roundup Ready® Cotton	44279301	5/19/1997	Monsanto	PER
	Grapes	38981	10/4/1974	Monsanto	PER
	Citrus	41165	1/19/1976	Monsanto	PER
	Coffee	51983	6/1/1976	Monsanto	PER
	Sugarcane	61558	3/1/1976	Monsanto	PER
	Pome Fruit	108129	9/1/1976	Monsanto	PER
	Forage Grass and Legumes	108147	4/28/1978	Monsanto	PER
	Sugar Beets	108152	12/9/1977	Monsanto	PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
Cheminova, Inc.; EPA Agent for Cheminova A/S

Date

June 12, 2008



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: June 12, 2008	EPA Reg. No./File Symbol: 4787-26	Page 15 of 35
Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical	
Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

Grapes	38771	10/4/1974	Monsanto	PER
Nut Crops	111945	11/30/1976	Monsanto	PER
Alfalfa	108133	12/31/1976	Monsanto	PER
Vegetables	108159	10/15/1977	Monsanto	PER
Roundup Ready® Canola	44541201	4/3/1998	Monsanto	PER

RESIDUE CHEMISTRY APPENDIX B

MAGNITUDE OF THE RESIDUE: CROPS, IRRIGATED CROPS, AND PROCESSED COMMODITIES

171-

4(k,l)

ROOT AND TUBER VEGETABLES GROUP:

Beets, garden

Carrots

Radishes

Potatoes

108159	10/14/1977	Monsanto	PER
39381	9/25/1975	Monsanto	PER
108159	10/14/1977	Monsanto	PER
108151	12/9/1977	Monsanto	PER
40785302	7/29/1988	Monsanto	PER
41947001	7/15/1991	Monsanto	PER
41947002	7/15/1991	Monsanto	PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Date

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Applicant's/Registrant's Name & Address:

Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status	
		43906101	1/22/1996	Monsanto	PER
	Processed Potato Commodities	40785302	7/29/1988	Monsanto	PER
		43906101	1/22/1996	Monsanto	PER
	Sugar Beets	108159	10/14/1977	Monsanto	PER
		108151	12/9/1977	Monsanto	PER
		39381	9/25/1975	Monsanto	PER
		40785304	7/29/1988	Monsanto	PER
		43315703	7/19/1994	Monsanto	PER
	Roundup Ready® Sugar Beets	44331601	7/11/1997	Monsanto	PER
		44331602	7/11/1997	Monsanto	PER
		44331603	7/11/1997	Monsanto	PER
	Sweet Potatoes				
	Turnip	40835201	10/3/1988	IR-4	PER
171-4(k,l)	LEAVES OF ROOT AND TUBER VEGETABLES GROUP:				
	Sugar Beet Tops	39381	9/25/1975	Monsanto	PER
		108159	10/14/1977	Monsanto	PER

Signature

Diane Allemang JD

Name and Title

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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

	Roundup Ready® Sugar Beets	44331601	7/11/1997	Monsanto	PER
	Carrot Tops	108159	10/14/1977	Monsanto	PER
171-4(k,l)	BULB VEGETABLE GROUP: Onions, Leeks, Garlic	40783101	8/8/1988	IR-4	PER
171-4(k,l)	LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES) GROUP:				
	Celery	40578001		IR-4	PER
	Spinach	40578002		IR-4	PER
	Lettuce	108159	10/14/1977	Monsanto	PER
171-4(k,l)	BRASSICA LEAFY VEGETABLES GROUP:				
	Cabbage	108159	10/14/1977	Monsanto	PER
	Broccoli	40802801	8/18/1988	IR-4	PER
	Mustard Greens	40802802	8/18/1988	IR-4	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

171-
4(k,l)

LEGUME VEGETABLES GROUP:

Dried Beans	108159	10/14/1977	Monsanto	PER
	44837501	5/21/1999	Monsanto	PER
	44837502	5/21/1999	Monsanto	PER
	45647501	3/28/2002	Monsanto	PER
Lentils				
Peas	108159	10/14/1977	Monsanto	PER
Peas (dry)	44407501		IR-4	PER
Peas (import)	43807201	9/27/1995	Monsanto	PER
	42312804	5/1/1992	Monsanto	PER
Dry Beans - Canada	44837501	5/20/1999	Monsanto	PER
	44837502	5/20/1999	Monsanto	PER
Snap Beans	108159	10/14/1977	Monsanto	PER
Soybeans/Soybean Processing Commodities	123953	11/12/1973	Monsanto	PER
	38908	7/12/1974	Monsanto	PER
	33954	12/19/1975	Monsanto	PER
	61555	3/1/1976	Monsanto	PER
	108153	6/17/1977	Monsanto	PER
	24503	12/12/1977	Monsanto	PER

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

108203	7/6/1978	Monsanto	PER
84936	10/21/1981	Monsanto	PER
156793	2/21/1986	Monsanto	PER
43260401	5/27/1994	Monsanto	PER
43260402	5/27/1994	Monsanto	PER
43260403	5/27/1994	Monsanto	PER

171-
4(k,l) FOLIAGE OF LEGUME VEGETABLES GROUP:

Bean Vines and Hay
Lentil Forage and Hay
Soybean Forage and Hay

123953	11/12/1973	Monsanto	PER
38908	7/12/1974	Monsanto	PER
33954	12/19/1975	Monsanto	PER
61555	3/1/1976	Monsanto	PER
108153	6/17/1977	Monsanto	PER
108203	7/6/1978	Monsanto	PER
84936	10/21/1981	Monsanto	PER
156793	2/21/1986	Monsanto	PER

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4(k,l) FRUITING VEGETABLES (EXCEPT CURCUBITS) GROUP:

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical	
Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

171-
4(k,l) CURCUBITS VEGETABLES GROUP

171-
4(k,l) CITRUS FRUITS GROUP:

Citrus/Citrus Processed Commodities	44496	1/19/1976	Monsanto	PER
	39142	1/19/1976	Monsanto	PER
	40159401	4/10/1987	Monsanto	PER

171-
4(k,l) POME FRUITS GROUP:

	108129	9/1/1976	Monsanto	PER
	108186	9/1/1976	Monsanto	PER

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4(k,l) STONE FRUITS GROUP:

Plums	40785301	7/29/1988	Monsanto	PER
	43315701	7/19/1994	Monsanto	PER

171-
4(k,l) SMALL FRUITS AND BERRIES GROUP:

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Blackberries

Blueberries

Cranberries

53002	9/10/1980	IR-4	PER
40779101	8/2/1988	IR-4	PER
38770	10/4/1974	Monsanto	PER
108132	12/31/1976	Monsanto	PER
40785303	7/29/1988	Monsanto	PER
43315702	7/19/1994	Monsanto	PER

Raspberries

Strawberries

171-
4(k,l)

TREE NUTS:

Almond, Almond Hulls, Macadamia, Pecan, Walnut

111945	11/30/1976	Monsanto	PER
42155301	1/3/1992	Monsanto	PER
42155302	1/3/1992	Monsanto	PER

171-
4(k,l)

CEREAL GRAINS GROUP:

Barley

38908	7/12/1974	Monsanto	PER
108203	7/6/1978	Monsanto	PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Applicant's/Registrant's Name & Address:

Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status	
Barley (Import)		42312801	5/1/1992	Monsanto	PER
		42312802	5/1/1992	Monsanto	PER
		43807202	9/27/1995	Monsanto	PER
		43827802	9/27/1995	Monsanto	PER
		43845401	9/27/1995	Monsanto	PER
Corn Grain		123953	11/12/1973	Monsanto	PER
		38908	7/12/1974	Monsanto	PER
		48284	5/15/1975	Monsanto	PER
		49054	12/19/1975	Monsanto	PER
		23336	12/12/1977	Monsanto	PER
		23268	12/12/1977	Monsanto	PER
		108203	7/6/1978	Monsanto	PER
		37687	3/30/1979	Monsanto	PER
		130807	10/12/1983	Monsanto	PER
		40502602	1/29/1988	Monsanto	PER
		43655701	5/19/1995	Monsanto	PER
		45066901	3/16/2000	Monsanto	PER
Roundup Ready® Corn		43712702	6/29/1995	Monsanto	PER
		44531301	4/2/1998	Monsanto	PER
		45077401	3/23/2000	Monsanto	PER
Corn Oil/Corn Milled Products		40502604	1/29/1988	Monsanto	PER
		41478101	4/2/1990	Monsanto	PER

Signature

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Name and Title

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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

	43655702	5/19/1995	Monsanto	PER
Oat Grain	38908	7/12/1974	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
Oats / Processed Oats (Preharvest Import Tolerance)	43870201	11/16/1995	Monsanto	PER
	43870202	11/16/1995	Monsanto	PER
	43870203	11/16/1995	Monsanto	PER
	43870204	11/16/1995	Monsanto	PER
	43927401	11/16/1995	Monsanto	PER
	43927402	11/16/1995	Monsanto	PER
Rice Grain	38908	7/12/1974	Monsanto	PER
Roundup Ready® Rice	45365001	3/20/2001	Monsanto	PER
Rice Processed Commodities	45365001	3/20/2001	Monsanto	PER
Sorghum Grain	38908	7/12/1974	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
	109271	4/9/1982	Monsanto	PER
	103375	6/4/1982	Monsanto	PER
	130807	10/12/1983	Monsanto	PER
	144722	10/10/1984	Monsanto	PER
	40502601	1/29/1988	Monsanto	PER
	43342001	8/15/1994	Monsanto	PER
	44646601	9/1/1998	Monsanto	PER
Grain Sorghum Processed Products	40502603	1/29/1988	Monsanto	PER

Signature <i>Diane Allemang</i> JS	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status	
		41472001	4/2/t990	Monsanto	PER
		43342002	8/15/1994	Monsanto	PER
Wheat Grain		123953	11/12/1973	Monsanto	PER
		38908	7/12/1974	Monsanto	PER
		108203	7/6/1978	Monsanto	PER
		122715	12/2/1982	Monsanto	PER
		150835	11/13/1984	Monsanto	PER
Roundup Ready® Wheat		41484301	4/t6/t990	Monsanto	PER
Roundup Ready® Wheat Reduced Risk		45174701	7/19/2000	Monsanto	PER
Wheat Milled Products		45290401	12/28/2000	Monsanto	PER
		150835	t1/13/1984	Monsanto	PER

171-
4(k,l) FORAGE, FODDER, AND STRAW OF CEREAL GRAINS GROUP:

Barley Forage, Hay, and Straw	38908	7/12/1974	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
Corn Forage, Silage, and Fodder	123953	1 t/12/1973	Monsanto	PER
	38908	7/12/t974	Monsanto	PER
	49054	12/19/1975	Monsanto	PER
	48284	5/15/1975	Monsanto	PER

Signature <i>Diane Allemang JD</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

	23336	t2/t2/1977	Monsanto	PER
	23268	t2/t2/1977	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
	37687	3/30/1979	Monsanto	PER
	130807	10/12/1983	Monsanto	PER
	40502602	1/29/1988	Monsanto	PER
	43655701	5/19/1995	Monsanto	PER
	43712702	6/29/1995	Monsanto	PER
	45066901	3/16/2000	Monsanto	PER
	45077401	3/23/2000	Monsanto	PER
Oat Forage, Hay, and Straw	38908	7/12/1974	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
Rice Straw,	38908	7/12/1974	Monsanto	PER
	45365001	3/20/2001	Monsanto	PER
Sorghum Forage, Fodder, Silage, and Hay	38908	7/12/1974	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
	109271	4/9/1982	Monsanto	PER
	103375	6/4/1982	Monsanto	PER
	130807	10/12/1983	Monsanto	PER
	144722	10/10/1984	Monsanto	PER
	40502601	1/29/1988	Monsanto	PER
Wheat Forage, Hay, and Straw	123953	11/12/1973	Monsanto	PER

Signature <i>Diane Allemang JD</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number

Submitter	Status
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		38908	7/t2/t974	Monsanto	PER
		108203	7/6/t978	Monsanto	PER
		122715	12/2/1982	Monsanto	PER
		150835	t t/13/t984	Monsanto	PER
		41484301	4/t6/t990	Monsanto	PER
		45174701	7/19/2000	Monsanto	PER
171-4(k,l)	GRASS FORAGE, FODDER, AND HAY GROUP:	108147	4/28/t978	Monsanto	PER
		53004	9/t2/t980	Monsanto	PER
		76805	5/8/t98 t	Monsanto	PER
		45089401	3/27/2000	Monsanto	PER
171-4(k,l)	NONGRASS ANIMAL FEEDS GROUP:				
	Alfalfa Seed and Hay	108133	12/31/1976	Monsanto	PER
	Clover, trefoil, lespedeza	108147	4/28/ t978	Monsanto	PER
		53004	9/ t2/1980	Monsanto	PER
		76805	5/8/1981	Monsanto	PER
		40541304	2/23/t988	Monsanto	PER
		43077001	12/16/1993	Monsanto	PER
		45365401	3/2 t/2001	Monsanto	PER
	Roundup Ready Alfalfa Forage, Hay and Seed	45646001	3/28/2002	Monsanto	PER

Signature <i>Diane Allemang</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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DATA MATRIX

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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

171-4(k,l)	Roundup Ready Alfalfa Reduced Risk Petition	Submitted	6/27/2002	Monsanto	PER
	MISCELLANEOUS COMMODITIES				
	Acerola				
	Asparagus	108144	2/17/1978	Monsanto	PER
		40642401	4/4/1988	IR-4	PER
	Avocados	108149	11/15/1977	Monsanto	PER
		108164	7/7/1978	Monsanto	PER
	Bananas (including Plantains)	108175	6/14/1979	Monsanto	PER
	Breadfruit	41049401	1989	IR-4	PER
	Canistel	41049401	1989	IR-4	PER
	Canola /Oilseed Rape / Processing	42312803	5/1/1992	Monsanto	PER
		43807203	9/27/1995	Monsanto	PER
	Roundup Ready® Canola	44528801	4/3/1998	Monsanto	PER
		44528802	4/3/1998	Monsanto	PER
		44528803	4/3/1998	Monsanto	PER
		44528804	4/3/1998	Monsanto	PER
	Coconut, Coconut Oil		3/9/1982	Monsanto	PER
	Coffee	51981	6/1/1976	Monsanto	PER
	Cottonseed	123953	11/12/1973	Monsanto	PER
		61553	3/1/1976	Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

	108176	5/17/1976	Monsanto	PER
	108153	6/17/1977	Monsanto	PER
	108203	7/6/1978	Monsanto	PER
	60103	11/3/1980	Monsanto	PER
Cotton Forage and Hay	123953	11/12/1973	Monsanto	PER
	61553	3/1/1976	Monsanto	PER
	108163	5/17/1976	Monsanto	PER
	60103	11/3/1980	Monsanto	PER
Cotton Processing Fractions	61555	3/1/1976	Monsanto	PER
Roundup Ready® Cotton	43571801	3/6/1995	Monsanto	PER
	unknown	3/27/2003	Monsanto	PER
Dates	41049401	1989	IR-4	PER
Guava	59050	11/19/1980	IR-4	PER
Jackfruit	41049401	1989	IR-4	PER
Jabotica	41049401	1989	IR-4	PER
Kiwi Fruit				
Mangos	40580401	4/4/1988	IR-4	PER
Oil Seeds (Flax, Mustard, Rape, Sunflower)		11/26/1979	Monsanto	PER
Oil Seed Rape / Canola (Import)	43827801	9/27/1995	Monsanto	PER
	43807203	9/27/1995	Monsanto	PER
Olives, Processed	108175	6/14/1979	Monsanto	PER
	42398401	7/8/1992	Monsanto	PER

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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Olive Oil	108175	6/14/1979	Monsanto	PER
	42398401	7/8/1992	Monsanto	PER
Palm Oils		8/2/1976	Monsanto	PER
Papayas	63713	11/20/1980	Monsanto	PER
Peanuts/Peanut Forage and Hay	28856	2/18/1980	Monsanto	PER
	144341	9/12/1984	Monsanto	PER
	40750702	6/20/1988	Monsanto	PER
Peanut Processed Commodities	144341	9/12/1984	Monsanto	PER
	40750702	6/20/1988	Monsanto	PER
Pineapple	43824301	10/18/1995	IR-4	PER
	43824302	10/18/1995	IR-4	PER
Pistachio Nuts	111945	11/30/1976	Monsanto	PER
Sapote	41049401	1989	IR-4	PER
Soursop	41049401	1989	IR-4	PER
Sugarcane	61558	3/1/1976	Monsanto	PER
	108140	6/21/1976	Monsanto	PER
	136876	3/1/1978	Monsanto	PER
	108168	8/25/1978	Monsanto	PER
Sugarcane Processed Commodities	108140	6/21/1976	Monsanto	PER
Tea, Instant Tea	78823	6/30/1981	Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

RESIDUE CHEMISTRY APPENDIX C
MAGNITUDE OF THE RESIDUE, POTABLE WATER

171-4(f) Canals	39381	9/25/1975	Public Doc. 1	PL
	36224	9/25/1975	Monsanto	PER
Flooded Levees	39381	9/25/1975	Monsanto	PER
	36224	9/25/1975	Monsanto	PER
Ponds	39381	9/25/1975	Public Doc.2	PL
	36224	9/25/1975	Monsanto	PER
Potable Water Treatment	36224	9/25/1975	Monsanto	PER
Ditchbank / Flowing Water	108173	12/22/1978	Monsanto	PER
Shoreline / Impounded Water	108173	12/22/1978	Monsanto	PER
Total Area / Impounded Water	108173	12/22/1978	Monsanto	PER
Whole Cross-Section / Flowing Water	77238	6/29/1981	Monsanto	PER

Signature <i>Diane Allemang</i> ^{TD}	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

t R.O. Comes. USDA/ARS. Prosser, Washington.

2 R.D. Blackburn. WSDA/ARS. Fort Lauderdale, Florida.

RESIDUE CHEMISTRY APPENDIX D
MAGNITUDE OF THE RESIDUE: FISH

171-4(g) ACCUMULATION STUDIES

Rainbow Trout

108173	12/22/1978	Monsanto	PER
36229	9/25/1975	Monsanto	PER

Largemouth Bass

108173	12/22/1978	Monsanto	PER
36229	9/25/1975	Monsanto	PER

Channel Catfish

108173	12/22/1978	Monsanto	PER
94971	2/26/1982	Monsanto	PER
36229	9/25/1975	Monsanto	PER

Bluegill Sunfish

36229	9/25/1975	Monsanto	PER
76491	11/12/1973	Monsanto	PER
41228301	9/5/1989	Monsanto	PER
41228302	9/5/1989	Monsanto	PER

Crayfish

108173	12/22/1978	Monsanto	PER
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Signature <i>Diane Allemang JD</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

		132170	6/15/1983	Monsanto	PER
		155120	11/22/1985	Monsanto	PER
Mollusks		108173	12/22/1987	Monsanto	PER
		128690	6/15/1983	Monsanto	PER
		154311	11/22/1985	Monsanto	PER
Oysters and Clams		45779601	10/14/2002	Monsanto	PER

APPENDIX E
EXPLANATION OF DATA NOT REQUIRED TO SUPPORT REGISTRATION

40 CFR 158.15-190 PRODUCT CHEMISTRY		
63-6	Boiling Point (TGA)	Data is required only if the technical material is a liquid at room temperature. Glyphosate is a solid.
63-18	Viscosity (MP)	Data is required if the material is a liquid. Glyphosate is a solid.
63-19	Miscibility (MP)	Data is required if the material is an emulsifiable liquid. Glyphosate is a water-soluble solid.
63-19	Miscibility (EP)	Data is required if the product is an emulsifiable liquid. Roundup herbicide is a ready-to-use liquid, not to be diluted.
63-21	Dielectric Breakdown Voltage (EP)	Data is required for liquid products that are used around electrical equipment. When Roundup is applied as a herbicide there is virtually no circumstance where it would be in contact with electrical equipment.
40 CFR 158.340 TOXICOLOGY		
81-3	Inhalation LC50 - Rat (MP & TGA)	Requirement waived by EPA on 1/5/88.

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

81-6	Dermal Sensitization (MP)	Data is required if repeated contact with human skin is expected. Glyphosate is not used in a manner where such contact is likely.
81-7	Acute Delayed Neurotoxicity - Hen (TGAI)	Not required unless test material is an organophosphate, or a metabolite or degradation product which causes acetyl cholinesterase depression, or is structurally related to a substance that causes delayed neurotoxicity. Glyphosate does not trigger this.
82-3	90-Day Dermal (TGAI)	Data are needed if product used for purposeful dermal application to, or prolonged exposure of, human skin; or if pesticidal use will result in comparable exposure (e.g., swimming pool) or if other study criteria are met. Glyphosate does not trigger this
82-4	90-Day Inhalation - Rat (TGAI)	Data is required if the use may result in repeated inhalation exposure at a concentration likely to be toxic. The use pattern for glyphosate does not warrant this testing.
82-5	90-Day Neurotoxicity - Hen (TGAI)	Data is required if acute delayed neurotoxicity test showed neuropathy or neurotoxicity, or if closely related structurally to a compound which can induce these effects. Glyphosate does not cause acute neurotoxicity.
82-5	90-Day Neurotoxicity - Mammal (TGAI)	Data is required if acute oral, dermal or inhalation studies showed neuropathy or neurotoxicity. Glyphosate does not trigger this testing.
86-1	Domestic Animal Safety	Required on a case-by-case basis. The known properties of glyphosate and the registered uses do not warrant this testing.

40 CFR 158.490 WILDLIFE AND AQUATIC ORGANISMS

71-3	Wild Mammal Toxicity (TGAI)	Tests are required on a case-by-case basis depending on the results of lower tier studies such as acute and subacute testing, intended use pattern, and pertinent environmental properties. Results from other glyphosate studies have not triggered this.
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Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate			
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter
			Status

71-5 Simulated and Actual Field Testing -

Data are required on a case-by-case basis depending on the results of lower tier studies such as acute and subacute Mammals and Birds (TEP) testing, intended use pattern, and environmental properties. Results from other glyphosate studies do not trigger.


72-7 Simulated or Actual Field Testing - Aquatic Organisms (TEP)

Results of tier one and tier two studies with Roundup and glyphosate demonstrate that these materials have a low level of toxicity to aquatic species. Results from other studies have not triggered this requirement.

40 CFR 158.540 PLANT PROTECTION		
121-1	Target Area Phytotoxicity (TEP)	Data are required only for Special Review and certain public health situations.
123-1	Tier II Seed Germination / Seedling Emergence (TGAI)	Required if >25% detrimental effect in one or more plant species was found in the corresponding Tier I test. Glyphosate does not trigger this requirement.
124-1	Tier III Terrestrial Field (TEP)	Required if >25% detrimental effect in one or more plant species was found in the corresponding Tier II test. Glyphosate does not trigger this requirement.
124-2	Tier III Aquatic Field (TEP)	Required if >50% detrimental effect on any plant species was found in the corresponding Tier II test. Glyphosate does not trigger this requirement.

40 CFR 158.590 NONTARGET INSECT		
141-2	Honeybee - Toxicity of Residues on Foliage (TEP)	As data from acute study indicate very low toxicity, no further testing is required.
151-5	Field Testing for Pollinators (TEP)	As data from acute study indicate very low toxicity, no further testing is required.

40 CFR 158.390 REENTRY PROTECTION		
132-1 through 133-4		Glyphosate is applied to undesirable grass and broadleaf weeds to control or otherwise mitigate their growth or competition with crops, turf or ornamentals. It is unlikely that people would contact such treated vegetation on a regular or extended basis.

Signature 	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

40 CFR 158.290 ENVIRONMENTAL FATE		
161-4	Photodegradation In Air (TGAI or PAIRA)	Waived by the Agency on May 15, 1992.
162-2	Anaerobic Soil (TGAI or PAIRA)	Not required if anaerobic aquatic metabolism study has been conducted.
163-2	Volatility - Lab (TEP)	Waived by the Agency on May 15, 1992.
163-3	Volatility - Field (TEP)	Waived by the Agency on May 15, 1992.
164-4	Combination and Tank Mixes	The Agency has not requested any specific studies. However, glyphosate tank mix residue data are available under the 40 CFR 158.240 Residue Data section of this data package.
164-5	Soil Dissipation, Long-Term (TEP)	Required if pesticide residues do not dissipate readily in soil. Glyphosate has a sufficiently short half-life in soil that this study has not been required.

40 CFR 158.240 RESIDUE CHEMISTRY		
171-4	Food Handling (EP)	Data on residues in food or feed in food handling establishments are required whenever a pesticide is to be used in food/feed handling establishments. Glyphosate end-use products are not used in such establishments.
171-5	Reduction of Residue	Reduction of residue is required when the assumption of tolerance level residues results in an unsafe level of exposure. The registered uses of glyphosate do not trigger this requirement.

NR- Not required

Signature 	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product
Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Cheminova	OWN
Cheminova	OWN
Cheminova	OWN
Cheminova	OWN
Cheminova	OWN
Cheminova	OWN

Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER

Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER
Monsanto	PER

Signature

Diane Allemang ^{TD}

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
Cheminova, Inc.; EPA Agent for Cheminova A/S

Date

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Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto PER

Monsanto PER
Monsanto PER

Monsanto PER
Monsanto PER
Monsanto PER

Monsanto PER
Monsanto PER
Monsanto PER

Monsanto PER
Monsanto PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
Cheminova, Inc.; EPA Agent for Cheminova A/S

Date

June 12, 2008



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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209		Product Glyphosate Technical		
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Monsanto	PER
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Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Signature

Diane Allemang ^{TD}

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
Cheminova, Inc.; EPA Agent for Cheminova A/S

Date

June 12, 2008



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Applicant's/Registrant's Name & Address:

**Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209**

Product

Glyphosate Technical

Ingredient: **Glyphosate**

[illegible]

Signature

Signature: James H. Lemay JD

Name and Title

**Diane Allemang, Vice President, Regulatory Affairs,
Cheminova, Inc.; EPA Agent for Cheminova A/S**

Date _____

June 12, 2008



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Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto	PER
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Monsanto	PER

Signature

Diane Allemang JD

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Product

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Ingredient: Glyphosate

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Signature

Diane Allemang JD

Name and Title

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Product

Glyphosate Technical

Ingredient: Glyphosate

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Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

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Ingredient: Glyphosate				
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Signature <i>Diane Allemang</i> ^{TD}	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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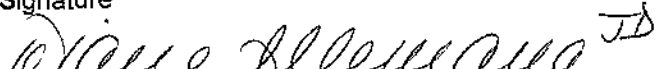
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Monsanto	PER
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Monsanto	PER

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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status



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Applicant's/Registrant's Name & Address:

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Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
			Monsanto	PER
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

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Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
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Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto	PER

Signature

Diane Allemang JD

Name and Title

Diane Allemang, Vice President, Regulatory Affairs,
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Date

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Arlington, VA 22209

Product
Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

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DATA MATRIX

Date: June 12, 2008

EPA Reg. No./File Symbol: 4787-26

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Applicant's/Registrant's Name & Address:

Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto	PER
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Monsanto	PER

Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209		Product Glyphosate Technical		
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

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Signature <i>Diane Allemang JD</i>	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Monsanto	PER
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Signature <i>Diane Allemang</i> JD	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address:

Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product

Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto	PER
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Monsanto	PER

Signature <i>Diane Allemang</i> ^{TD}	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical	
Ingredient: Glyphosate		
Guideline Ref. Number	Guideline Study Name	MRID Number
		Submitter
		Status

Monsanto	PER
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Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product
Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
			Monsanto	PER
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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209	Product Glyphosate Technical			
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status

Monsanto	PER
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Public Doc. 1	PL
Monsanto	PER

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Monsanto	PER

Public Doc.2	PL
Monsanto	PER

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Applicant's/Registrant's Name & Address: Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700 Arlington, VA 22209		Product Glyphosate Technical		
Ingredient: Glyphosate				
Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status



Monsanto	PER
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Monsanto	PER

Signature <i>Diane Allemang</i> ^{TD}	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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Date: June 12, 2008

EPA Reg. No./File Symbol: 4787-26

Page 30 of 30

Applicant's/Registrant's Name & Address:
Cheminova A/S, c/o Cheminova, Inc., 1600 Wilson Blvd., Suite 700
Arlington, VA 22209

Product Glyphosate Technical

Ingredient: Glyphosate

Guideline Ref. Number	Guideline Study Name	MRID Number	Submitter	Status
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Monsanto PER

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Signature <i>Diane Allemang</i> ^{TD}	Name and Title Diane Allemang, Vice President, Regulatory Affairs, Cheminova, Inc.; EPA Agent for Cheminova A/S	Date June 12, 2008
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MONSANTO



MONSANTO COMPANY
800 NORTH LINDBERGH BLVD
ST. LOUIS, MISSOURI 63167
<http://www.monsanto.com>

13-Jun-2007

Document Processing Center
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive, Room S4900
Arlington, VA 22202

Attention: Mr. James A. Tompkins
Team Leader (25)

Subject: Letter of Authorization to Refer to Monsanto Glyphosate Data
Cheminova A/S (EPA Co No. 4787) and Cheminova Inc. (EPA Co. No. 67760)

Dear Mr. Tompkins:

Monsanto Company (Monsanto) hereby grants Cheminova A/S and Cheminova Inc. (together, Cheminova) authorization to cite applicable Monsanto glyphosate registration data that have been submitted to EPA as of the date of this letter, including but not limited to safety, residue, environmental effects and efficacy data, to the extent specified below and solely for the uses described below. This letter supercedes, through expansion of the scope of the data that Cheminova may cite, any prior Letters of Authorization on file.

This authorization is granted solely for use within the U.S. in support of Cheminova's U.S. EPA registration(s) of Cheminova pesticides containing glyphosate, or any salt, ester, or other derivative of glyphosate, for use on or over-the-top of glyphosate tolerant soybean, corn, cotton, sugar beet or canola crops; for use on or over-the-top of other glyphosate tolerant crops other than Monsanto glyphosate tolerant crops; and for any and all conventional (*i.e.*, non-glyphosate tolerant) crop and non-crop uses. The authorization includes the right to refer to Monsanto's glyphosate product-specific product chemistry or product-specific acute toxicology data for glyphosate, glyphosate technical, isopropylamine salt of glyphosate, or ammonium salt of glyphosate to support registration of Cheminova's technical and manufacturing use products as defined in 40 CFR Sections 158.153(h) and (k) but not to support registration of Cheminova's end use products as defined in 40 CFR Section 152.3.

The following types of data are not included in Cheminova's data rights and are explicitly excluded:

Mr. Tompkins Page 2
13-Jun-2007

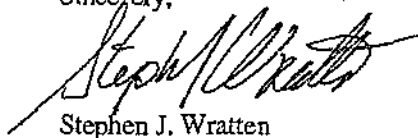
1. Data supporting the proposed use on Roundup Ready (glyphosate tolerant) creeping bent grass.
2. Any data supporting registrations of the potassium salt of glyphosate, its manufacturing-use products, or its end-use products, whether alone or in mixture with other pesticides.

This authorization includes the right of Cheminova to grant to its customers supplemental distribution rights for Cheminova's registered products for the uses described above and subject to the same restrictions and limitations contained herein.

This authorization is solely for the citation of data and does not authorize the release of these data or studies to Cheminova or any other party for either copying or viewing. Cheminova has no ownership interest whatsoever in any of Monsanto's data.

If you have any questions on this matter please feel free to contact me through Dr. Russell P. Schneider (202-383-2866), or by direct phone (314-694-1582), fax (314-694-4028), or electronic mail at stephen.j.wratten@monsanto.com.

Sincerely,



Stephen J. Wratten
Manager, Registrations

cc: R.P. Schneider
S. A. Adams

Cheminova Gly Tech Authorization.doc

